



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,529	09/21/2001	Benjamin Renaud	BEAS-01067US0	5297
23910	7590	06/11/2007		
FLIESLER MEYER LLP 650 CALIFORNIA STREET 14TH FLOOR SAN FRANCISCO, CA 94108			EXAMINER VU, TUAN A	
			ART UNIT 2193	PAPER NUMBER
			MAIL DATE 06/11/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

09/960,529

Applicant(s)

RENAUD, BENJAMIN

Examiner

Tuan A. Vu

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9, 13-16, 19-28, 37, 38, 40-49, 55 and 56 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9, 13-16, 19-28, 37-38, 40-49, 55-56 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is responsive to the Applicant's response filed 3/23/07.

As indicated in Applicant's response, claims 19, 45 have been amended. Claims 1-9, 13-16, 19-28, 37-38, 40-49, 55 and 56 are pending in the office action.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1-9, 13-16, 19-28, 37-38, 40-49, 55-56 are rejected under 35 U.S.C. 102(a) as being anticipated by WebLogic Server 6.0, Deploying EJBs in the EJB Container, Programming WebLogic Enterprise JavaBeans, e-docs.bea.com, pp. 1-5, archive copy 4/17/2001 (hereinafter WLS6) URL:

<http://web.archive.org/web/20010417134926/http://e-docs.bea.com/wls/docs60/ejb/deploy.html>

**As per claim 1**, WLS6 discloses a method of automatically deploying an application across a distributed computing domain including a plurality of processing devices, the method comprising:

(a) automatically scanning for an undeployed application stored in an application directory accessible to at least one of the plurality of processing devices (*one or more ... Servers – pg. 1, bottom*), the application directory (Automatic Deployment Directory - pg. 2, bottom pg. 3, top) including at least one currently deployed application;

(b) recognizing an undeployed application in the application directory; and

(c) deploying the undeployed application (e.g. recompile ...redeploys - pg. 3, bottom, pg. 4, top) to a selected portion of the plurality of processing devices, such that the application is capable of being executed by the portion of the plurality of processing devices (e.g. Resources role names descriptor – pg. 2, top Note: resource identification of specific server reads on selected portion of devices execution EJB application), wherein when the undeployed application is placed in the application directory it is automatically deployed without requiring any other user step ( Note: automatically checking jar xml directory for redeploying reads on without user intervention).

**As per claims 2-3, WLS6 discloses**

obtaining a list of applications stored in the application directory (weblogic-ejb-jar.xml – pg. 2, top); comparing the list of applications stored in the application directory to a list of previously deployed applications (ejb-jar.xml pg. 4) in order to select the application to be deployed; and deploying the selected application to the selected portion of the plurality of processing devices;

selecting the application to be deployed from the list of applications stored in the application directory when the application is absent from the list of previously deployed applications (e.g. *it is automatically redeployed* – pg. 2, bottom – Note: redeploying reads on absent from previously or currently deployed list).

**As per claims 4-5, WLS6 discloses** selecting the application to be deployed from the list of applications stored in the application directory when the value of a deployment indicator associated with the application differs from the value of a deployment indicator recorded on the list of previously deployed applications (e.g. weblogic-ejb-jar.xml: *caching descriptor, reference*

Art Unit: 2193

*descriptor, persistence descriptor, resource descriptor* -- middle pg. 2 – Note: descriptor in xml related to a deployment related jar file, i.e. indicative of state of deployment or change in JAR – see pg. 3, middle; *timestamp* - pg. 4, bottom – reads on checking on deployment metadata stored as descriptor inside the *ejb-jar.xml* file), wherein the deployment indicator is an attribute of a file containing the application (See Descriptor from above).

As per claims 6-8, WLS6 discloses attribute of the file containing the application is the date (directory - pg. 4, middle; *timestamp* - pg. 4, bottom– Note: directory inherently includes file properties with date and time of modification/creation) of the file, the deployment indicator is an attribute (see *.jar Directory* – pg. 4, middle; *Meta-INF directory*, pg. 4, top – Note: triggering a redeployment based on timestamp of a session- related bean via reading a xml file r or meta-inf reads on attribute of another ejb file related to some timestamp) of a file associated with at least one separate file containing the application, wherein the attribute is the date of the file.

As per claim 9, WLS6 discloses wherein the selected portion of the plurality of processing devices is determined from an analysis of a plurality of attributes associated with the undeployed application and a plurality of attributes associated with the distributed computing domain (see clustering, resources descriptor pg. 2, middle ; see Automatic Deployment pg. 3-4).

As per claims 13-14, WLS6 discloses the step of scanning is initiated periodically after the passage of a predetermined time interval (e.g. every ten seconds – pg. 2, bottom) wherein the undeployed application is comprised of a plurality of application components contained in a single file (jar files – pg. 2, bottom)

**As per claims 15-16**, WLS6 discloses that the undeployed application is comprised of a plurality of application components each contained in a separate file (refer to claim 14) wherein the undeployed application is a J2EE application (see *weblogic-ejb-jar.xml* –pg. 2).

**As per claim 19**, WLS6 discloses a method of automatically maintaining an application object across a distributed computing domain, the application object contained within at least one application file and the distributed computing domain including a plurality of processing devices (refer to claim 1), the method comprising the steps:

- (a) retrieving a list of all of the application files located within an application directory;
  - (b) comparing the list of all of the files located within an application directory to a list of all of the files associated with currently deployed application objects;
  - (c) for each application file, deploying the application object contained in the application file when the application file is absent from the list of all the files associated with currently deployed application objects;
  - (d) for each application file, redeploying the application object contained in the application file when the application file differs from the corresponding file on the list of all of the files associated with previously deployed application objects ( refer to claim 2-3 –Note: comparing from list of currently deployed or absent therefrom for redeployed are limitation steps that been addressed in claims 2-3).
- ); and

(e) for each application file on the list of all of the files associated with currently deployed application objects, undeploying the application object associated with an application file when the application file on the list of all of the files associated with currently deployed

Art Unit: 2193

application objects is absent from the list of all of the application files located within the application directory (see pg. 2, bottom, pg. 3, middle – Note: redeploying application because of a changed jar file to replace an older jar file reads on undeploying an older jar-related files when the directory only dictates deployment an updated jar file)

wherein when the undeployed application is placed in the application directory it is automatically deployed without requiring any other user step; wherein when the application is removed from the directory it is undeployed without any other user action ( Note: automatically checking jar xml directory for redeploying reads on without user intervention).

**As per claim 20**, WLS6 discloses wherein:

in the step of redeploying, the difference is determined by comparing the value of a deployment indicator associated with an application file with the value of a deployment indicator recorded on the list of currently deployed application objects (Note: refer to claim 4 and claim 9 for corresponding subject matter and rejection).

**As per claims 21-27**, the subject matter of these claims correspond to that of claims 5-8; 13 and 16 (for J2EE of claims 26-27) respectively, hence will be rejected with the respective rejection as set forth therein.

**As per claim 28**, see WLS6: Weblogic server, pg. 1-2.

**As per claims 37-38**, WLS6 discloses an article of manufacture including an information storage medium wherein is stored information, the information comprising:

a group of processor readable instructions adapted to operate on a processing device, wherein the group of processor readable instructions are adapted to operate the processing device according to the method of Claim 1 (refer to claim 1, and 19).

**As per claim 40**, WLS6 discloses a processing system including at least a first processing device and a memory device accessible by the first processing device, the processing system comprising a group of processor readable instructions stored in the memory device and operating the first processing device ( Weblogic Server, pg. 1) to perform a group of steps including:

(a) automatically scanning for an undeployed application stored in an application directory accessible to first processing device, the application directory including at least one currently deployed application;

(b) recognizing an undeployed application in the application directory; and

(c) deploying the undeployed application to a selected portion of the processing system, such that the application is capable of being executed by the portion of the processing system (refer to claim 1 for corresponding rejection)

wherein when the undeployed application is placed in the application directory it is automatically deployed without requiring any other user step ( Note: automatically checking jar xml directory for redeploying reads on without user intervention).

**As per claim 41**, WLS6 discloses a first computer ( Weblogic server pg. 1)

**As per claims 42-43**, WLS6 discloses including a second processing device in communication with the first processing device, wherein the selected portion of the processing system includes the second processing device (e.g. automatic deployment, directory, pg. 2-4 – Note: the JAR scanning and selection of application files based on the XML file to be redeployed– or first processing device- in conjunction or communication with the redeployment process, i.e. a second processing device, itself in the same environment, reads on to selected



Art Unit: 2193

portion including a second processing device; i.e. both the first processing device and the second processing device are located on a first compute) where the selecting for deployment and the deployment process is executed on the same server machine, WLS6 has disclosed the first processing device and the second processing device are located on a first computer.

**As per claim 44**, WLS6 discloses the first processing device is located on a first computer and the second processing device is located on a second computer (*one or more ... Servers* – pg. 1, bottom).

**As per claim 45**, WLS6 discloses a processing system including at least a first processing device and a memory device accessible by the first processing device, the processing system comprising a group of processor readable instructions stored in the memory device and operating the first processing device to perform a group of steps as they are recited in claim 19 (refer to claim 1 for corresponding rejection)

**As per claims 46-49**, the subject matter of these claims corresponds to that of claims 41-44, hence is rejected with the respective rejection as set forth therein.

**As per claim 55**, WLS6 discloses a computer-implemented method for deploying applications to an application server comprising:

automatically deploying an application to an application server when the corresponding unpackaged application files are added to a smart directory; and

automatically undeploying the application application files are removed from the smart directory (see pg. 2-4 and refer to claim 1; see pg. 2, bottom, pg. 3, middle – Note: redeploying application because of a changed jar file to replace an older jar file reads on undeploying an older jar-related files when the directory only dictates deployment an updated jar file).

Art Unit: 2193

wherein when the undeployed application is placed in the application directory it is automatically deployed without requiring any other user step; wherein when the application is removed from the directory it is undeployed without any other user action ( Note: automatically checking jar xml directory for redeploying reads on without user intervention).

**As per claim 56**, WLS6 discloses wherein the unpackaged application files are automatically packaged (*repackaging* – pg. 3, bottom, pg. 4 top) before they are provided to the application server.

***Response to Arguments***

4. Applicant's arguments filed 3/23/07 have been fully considered but they are not persuasive. Following are the Examiner's observation in regard thereto.

**USC § 102(a) Rejection:**

Applicant has submitted that the WebLogic Server 6.0 is not prior art because it is work done by the inventor itself (Appl. Rmrks pg. 10, bottom)

The statute under 35 USC § 102 defines that an inventor is not entitled to a patent unless, under § 102(a)

*the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.*

The statute does NOT address a work or a publication by the other inventor or by others; but rather puts emphasis on something **known or used by others** in the country, or patented or **described in a printed publication in this or a foreign country, before the invention.**

That is, the effective filing date of the Application being 9/21/2001, the publication by Weblogic Server 6.0 (WLS6) is dated 4/17/2001 according to the archive Way Back Machine (see URL:

Art Unit: 2193

<http://web.archive.org/web/20010417134926/http://e-docs.bea.com/wls/docs60/ejb/deploy.html> )

This URL was made available 4/17/01, notwithstanding the fact that there is no explicit author with the name of the instant Application's for this published document. Nevertheless, there is no mention about *same inventive entity* in the above statute, but rather mention about any description made known via a publication made available to others ( e.g. readers on the above URL in the world or this country) prior to the invention (i.e. before 9/21/2001, namely April 17, 2001). A quick fetching of the archive link according to:

[http://web.archive.org/web/\\*/http://e-docs.bea.com/wls/docs60/ejb/deploy.html](http://web.archive.org/web/*/http://e-docs.bea.com/wls/docs60/ejb/deploy.html) will confirm to the time version of the above WLS6 document, which is that of April 17, 2001.

For the sake of argument, even a publication by the same inventor (i.e. inventor Renaud) as long as it is made public to others at a time and date prior to the effective filing date of this inventor's invention would still constitute prior art under § 102(a) if this publication is made known less than a year from that effective date; and under a statutory § 102(b) if made public over a year therefrom. The WLS6 is a document read and known by others and available 4/17/01 less than a year from 9/21/01 (effective filing date of instant Application), the WLS6 does constitute prior art under the above statute.

The argument is not sufficient to overcome the outstanding rejection as set forth above.

### ***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

Art Unit: 2193

MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (272) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571)272-3756.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence - please consult Examiner before using) or 571-273-8300 ( for official correspondence) or redirected to customer service at 571-272-3609.


Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

Art Unit: 2193

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan A Vu  
May 18, 2007



**MENG-AL T. AN**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER